Utah Division of Air Quality
New Source Review Section

Company_____
Site/Source_____
Date_____

Form 2
Process Information

Process Data

1. Name of process:

2. End product of this process:

3. Primary process equipment: _____ Manufacturer:_____
Make or model: _____ Identification #: _____
Capacity of equipment (lbs/hr): Year installed:_____
Rated _____ Max._____
(Add additional sheets as needed)

4. Method of exhaust ventilation:
☐ Stack ☐ Window fan ☐ Roof vent ☐ Other, describe _____

Are there multiple exhausts: ☐ Yes ☐ No

Operating Data

5. Maximum operating schedule:
_____ hrs/day
_____days/week
_____weeks/year

6. Percent annual production by quarter:
Winter _____ Spring _____
Summer _____ Fall _____

7. Hourly production rates (lbs.):
Average _____ Maximum _____

8. Maximum Annual production (indicate units):
_____
Projected percent annual increase in production:
_____

9. Type of operation: □ Continuous
□ Batch
□ Intermittent

10. If batch, indicate minutes per cycle _____
Minutes between cycles _____

11. Materials Used in Process

Raw Materials	Principal Use	Amounts (Specify Units)

Process
Form 2 (Continued)

12. **Control Equipment** (attach additional pages if necessary)

Item	Primary Collector	Secondary Collector
a. Type		
b. Manufacturer		
c. Model		
d. Year installed		
e. Serial or ID#		
f. Pollutant controlled		
g. Controlled pollutant emission rate (if known)		
h. Pressure drop across control device		
i. Design efficiency		
j. Operating efficiency		

Stack Data
(attach additional pages if necessary)

13. Stack identification:

14. Height: Above roof _____ft
Above ground _____ft

15. Are other sources vented to this stack:
☐ Yes ☐ No

If yes, identify sources:

16. ☐ Round, top inside diameter dimension _____
☐ Rectangular, top inside dimensions length _____ x width _____

17. Exit gas: Temperature _____ ^{o}F Volume _____ acfm Velocity _____ ft/min

18. Continuous monitoring equipment: ☐ yes ☐ no
If yes, indicate: Type _____ Manufacturer _____
Make or Model _____ Pollutant(s) monitored _____

Emissions Calculations (PTE)

19. Calculated emissions for this device
PM_{10} _____Lbs/hr_____ Tons/yr NO_x _____Lbs/hr_____ Tons/yr
SO_x _____Lbs/hr_____ Tons/yr VOC _____Lbs/hr_____ Tons/yr
HAPs_____Lbs/hr (speciate)_____Tons/yr (speciate)

Submit calculations as an appendix.

Instructions

Note: 1. **Submit this form in conjunction with Form 1.**
2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

This is a general form regarding processes and should be completed by all sources.

Please answer all questions. If the item does not apply to the source operation write “n/a”. If the answer is not known write "unknown".

1. Indicate the generally accepted name for the process (i.e., asphalt batching, glass manufacturing, oil refining, etc.).
2. Specify the end product of this process (i.e., asphaltic concrete, benzene, soaps, etc.).
3. Indicate the specific process equipment for this form along with the manufacturer, model number, identifying name or code year it was or will be installed, and rated (normal) and maximum capacity of equipment.
4. Indicate the method of exhaust ventilation and indicate if there are more than one exhausts.
5. Complete the process equipment's normal operating schedule in hours per day, days per week, and weeks per year.
6. Complete the percent annual production by season for a years production of finished units. The four seasons should total to 100%.
7. Specify the average and maximum hourly production rates in pounds. The average is the year's production rate divided by the total yearly hours of production or operation.
8. Specify the annual production for this process equipment and indicate the appropriate units. Estimate the annual increase in production.
9. Check whether the process is continuous, intermittent, or batch. A batch operation normally has significant down time between completion and startup of each operation or cycle.
10. If batch, complete the minutes per production cycle and minutes between the production cycles. A "cycle" refers to the time the equipment is in operation.
11. List all general types of raw materials employed in the process, indicate the principle use (i.e., product, binder, catalyst, fuel, etc.) and specify the normal amount used in pounds per hours, tons per year, etc.
12. If your control device is not listed below complete items a through j. If your process includes any of the control devices listed below, please indicate which ones and submit the associated forms with your application. The primary collector and secondary collector refer to separate control devices or equipment for collecting similar or different air pollutants. If there is a third collector, complete the same data for that collector on a separate sheet. Addition information may be attached.

    Complete the proper form listed below for any air pollution control device:

___	Form 3	Afterburners
___	Form 4	Flares
___	Form 5	Adsorption Unit
___	Form 6	Cyclone
___	Form 7	Condenser
___	Form 8	Electrostatic Precipitators
___	Form 9	Scrubber
___	Form 10	Fabric Filter (Baghouse)

13. Indicate the company's identification for the stack or exhaust.
14. Specify the stack's or exhaust's height, in feet (ft.) above ground and above the attached roof.
15. Indicate if other sources are also vented to this same stack or exhaust and identify those sources.
16. Specify the inside dimensions of the stack or exhaust at the outlet to the atmosphere.
17. Complete the specifications of the stack's or exhaust's exit gas. (Temperature in degrees Fahrenheit, volume
    flow rate in actual cubic feet per minute, and velocity in feet per minute.) If the properties of the exit gas vary, use the average values.
18. Indicate if the stack or exhaust is equipped with air pollution monitoring equipment. If so, specify the type, manufacturer, make or model, and the pollutant or pollutants monitored.
19. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.